

FIG. 1

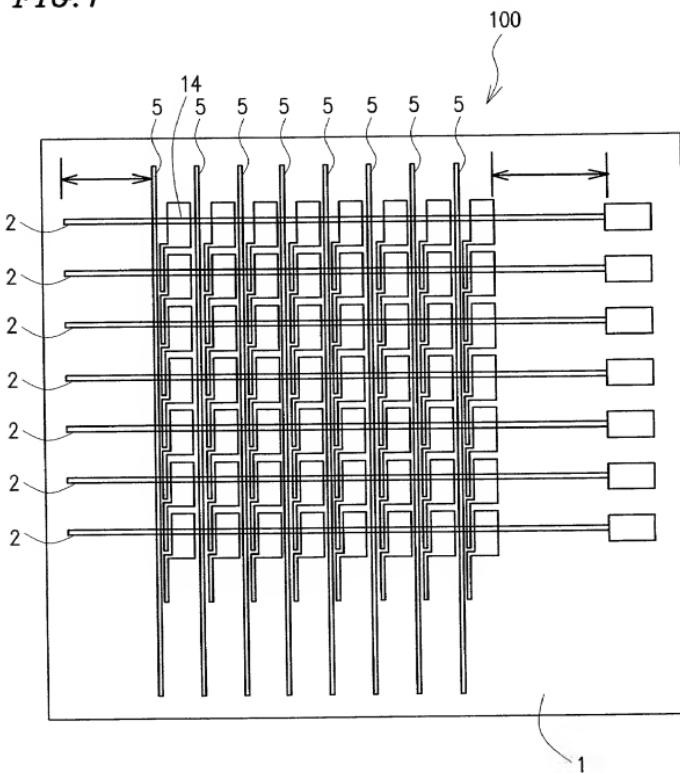


FIG.2

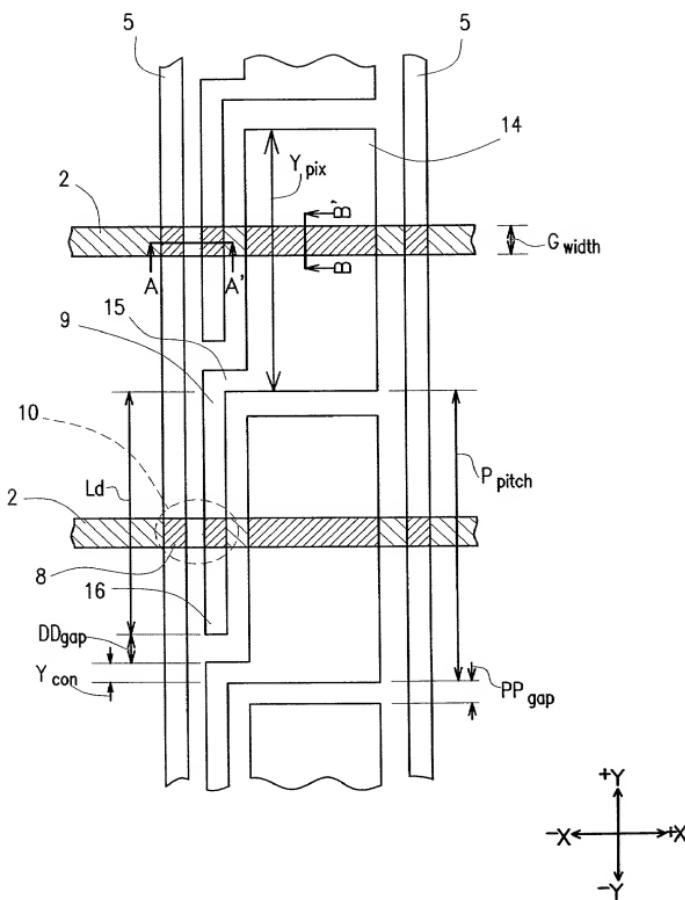


FIG. 3A

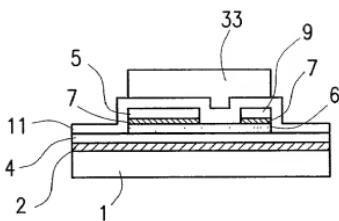


FIG. 3B

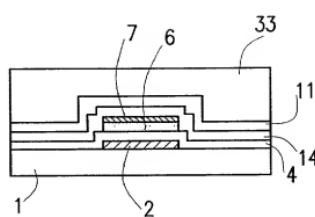


FIG. 3C

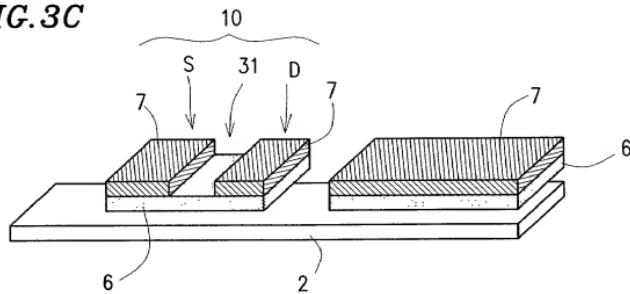


FIG. 4A

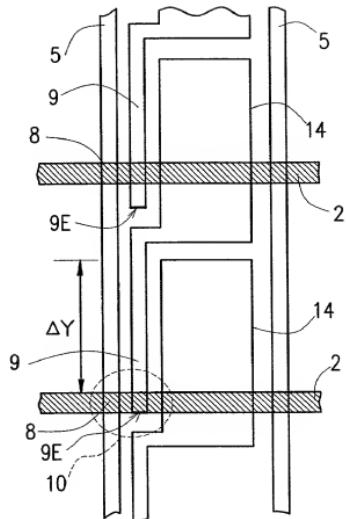


FIG. 4B

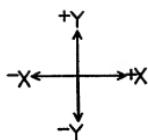
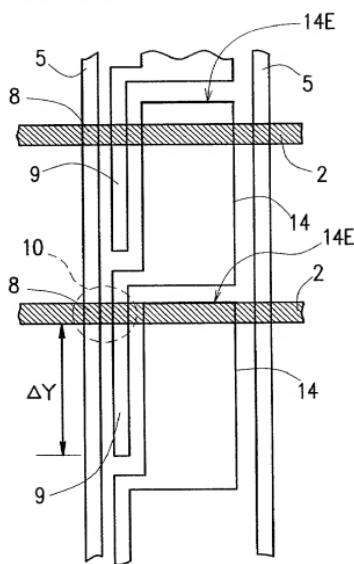


FIG. 5

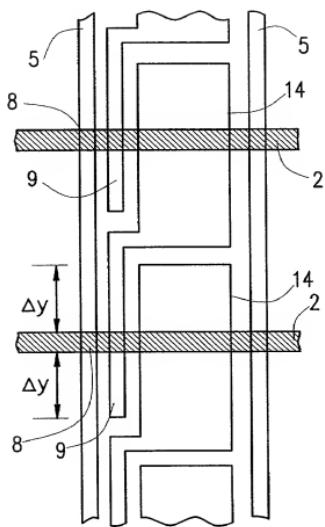


FIG. 6A



FIG. 6B

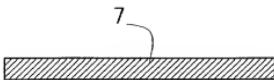


FIG. 6C

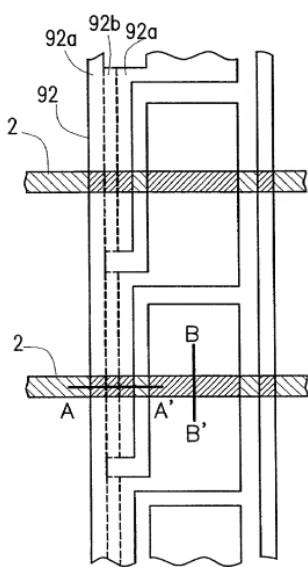


FIG. 6D

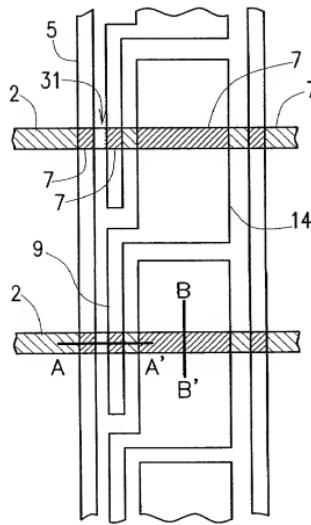


FIG. 7A

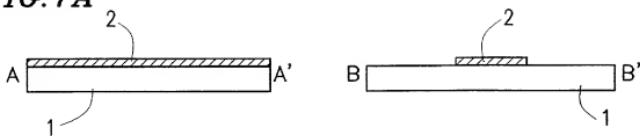


FIG. 7B

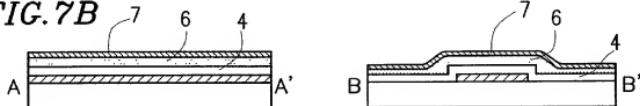


FIG. 7C

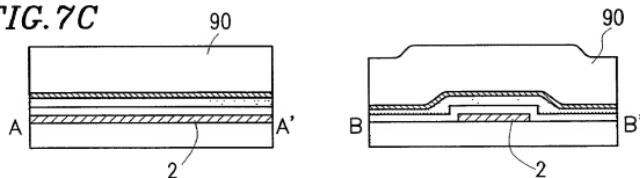


FIG. 7D

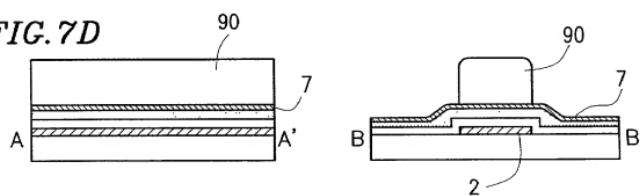


FIG. 7E

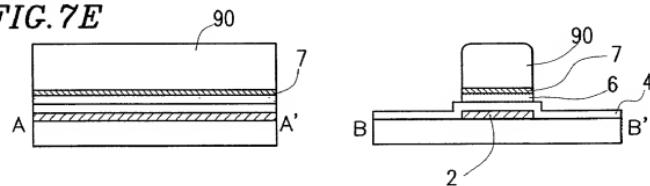


FIG. 7F

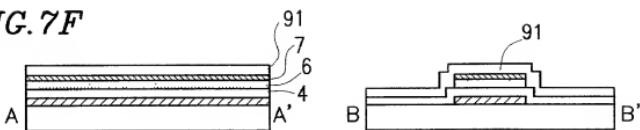


FIG. 7G

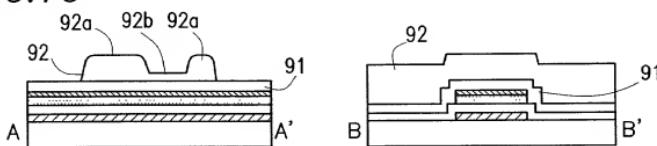


FIG. 7H

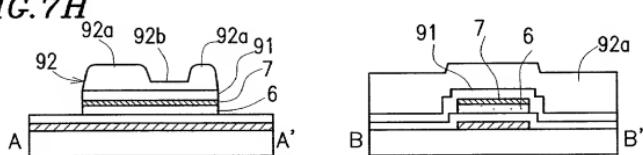


FIG. 7I

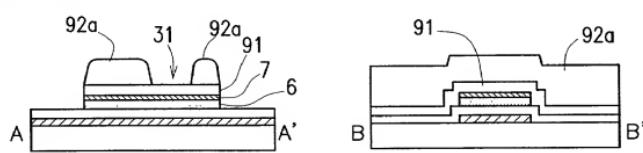


FIG. 7J

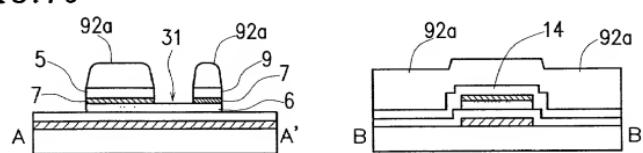


FIG. 7K

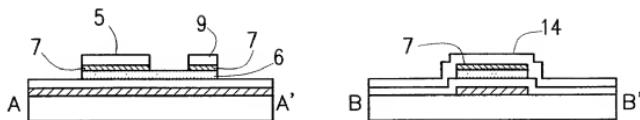


FIG. 7L

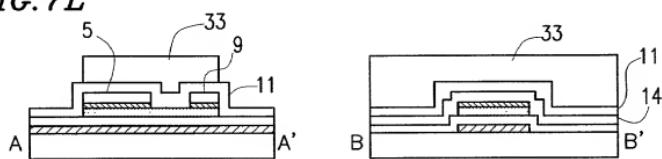


FIG. 8A

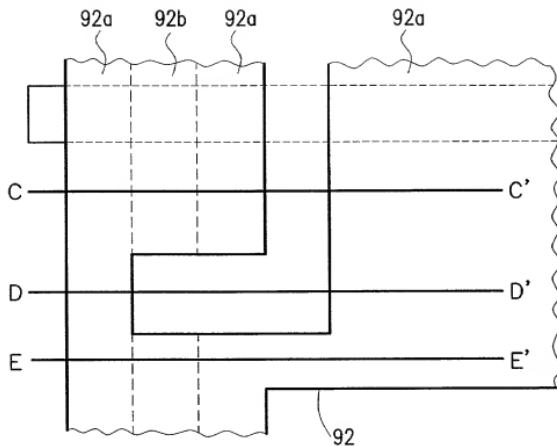


FIG. 8B



FIG. 8C



FIG. 8D



FIG. 9

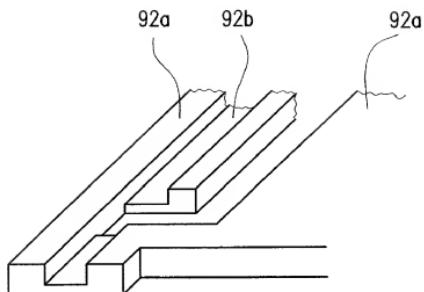


FIG. 9
92a 92b
92a

FIG. 10

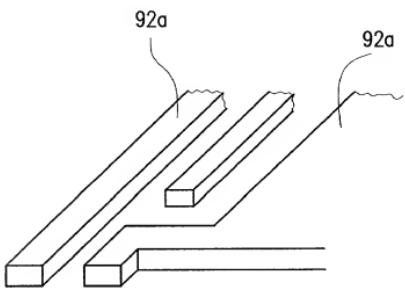


FIG. 10
92a
92a

FIG. 11

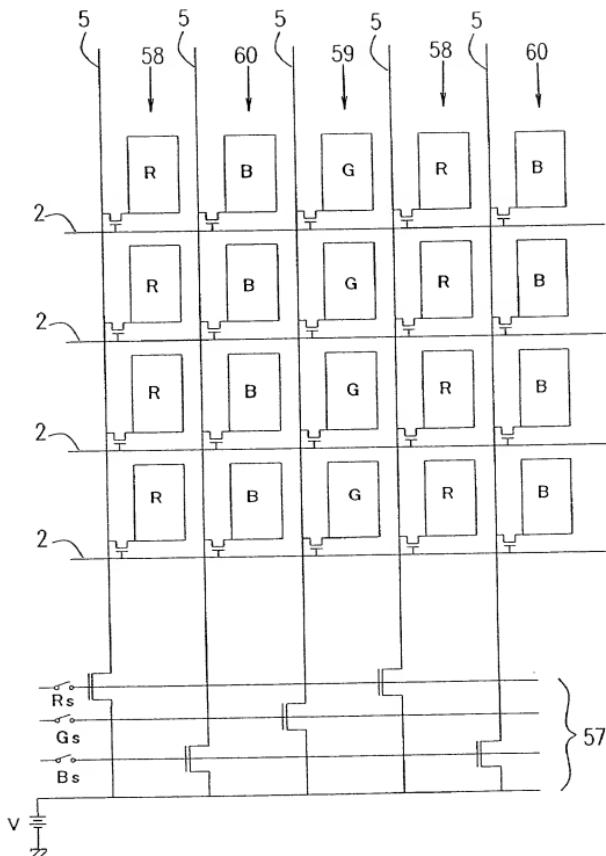


FIG. 12

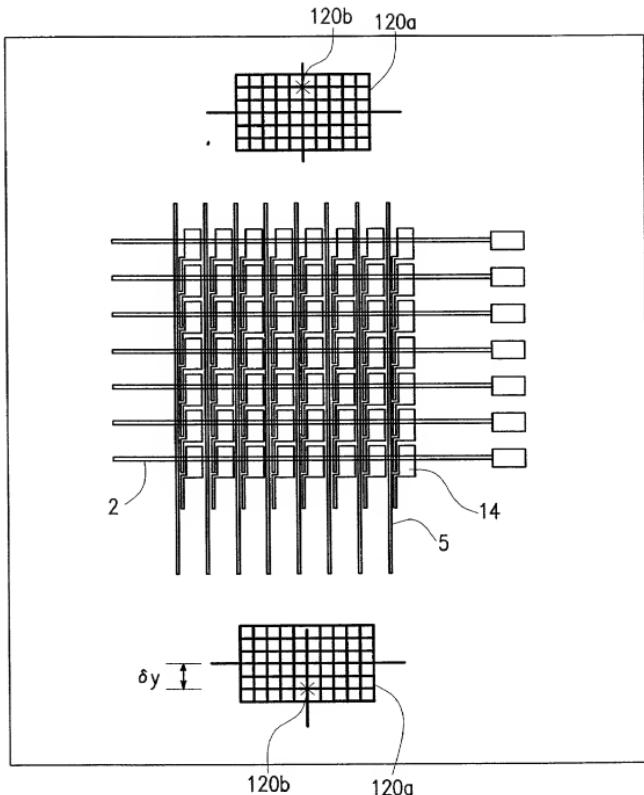


FIG. 13

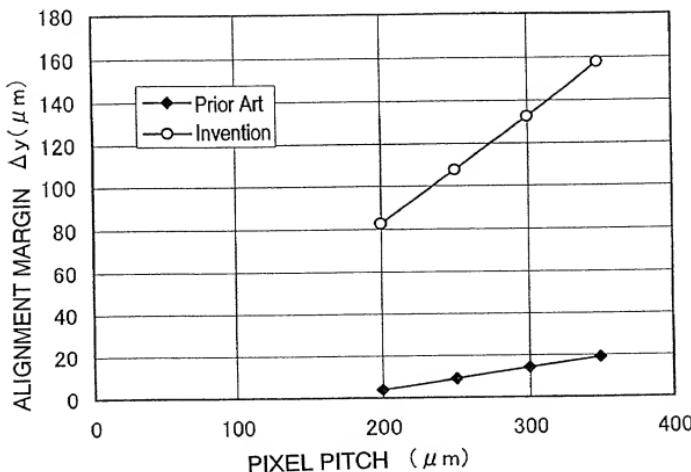


FIG. 14

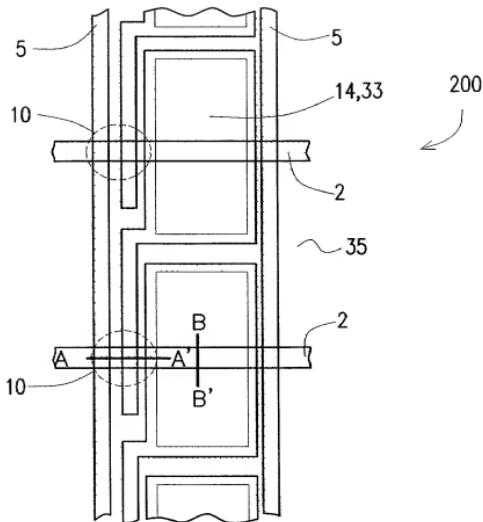


FIG. 15A

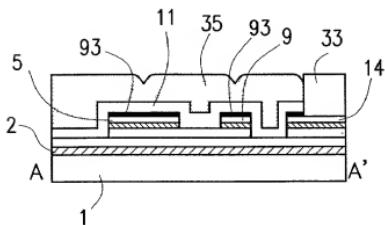


FIG. 15B

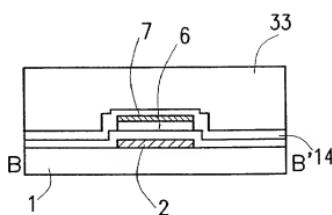


FIG. 16A



FIG. 16B

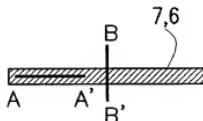
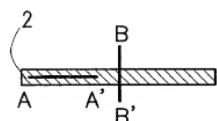
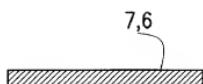


FIG. 16C

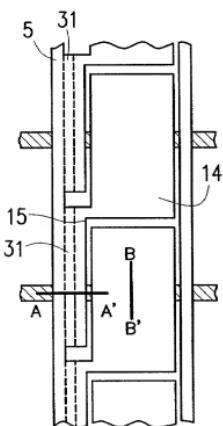


FIG. 16D

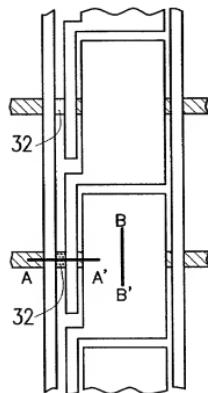


FIG. 16E

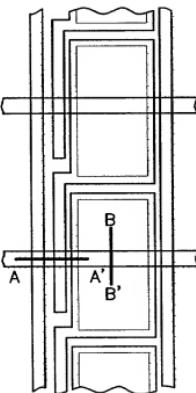


FIG. 17A

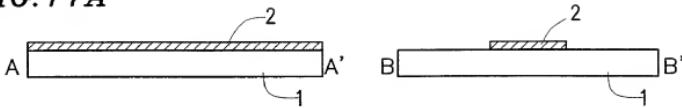


FIG. 17B

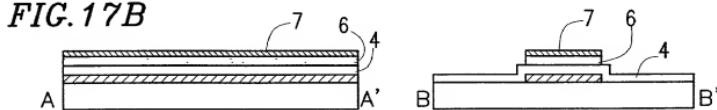


FIG. 17C

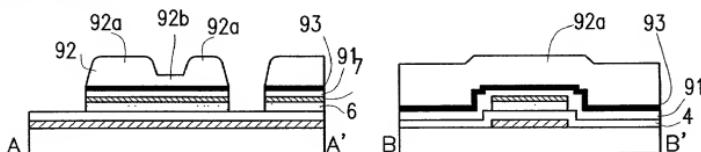


FIG. 17D

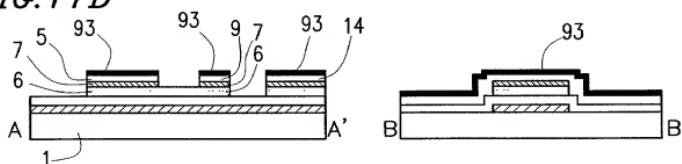


FIG. 17E

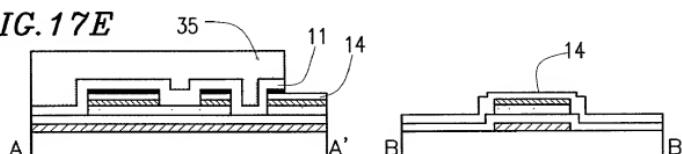


FIG. 17F

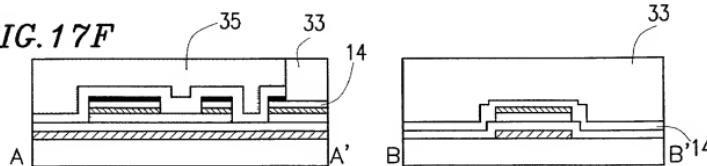


FIG. 18

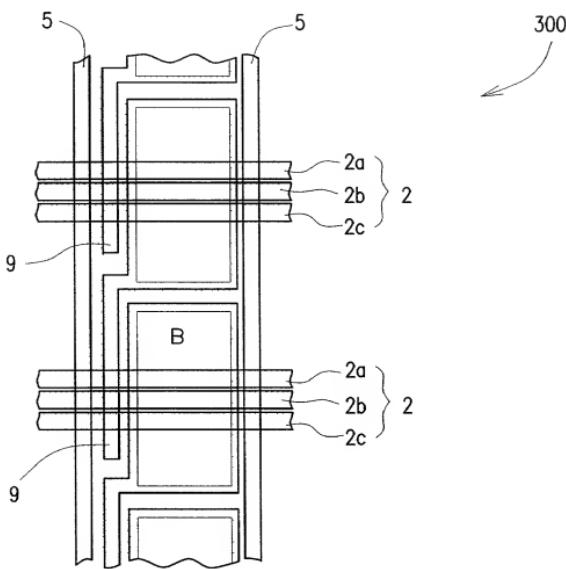


FIG. 19A

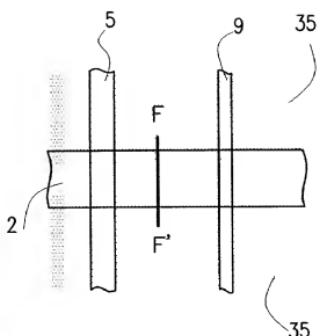


FIG. 19B

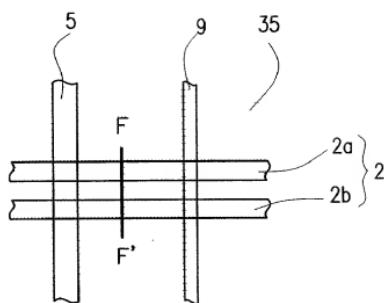


FIG. 19C

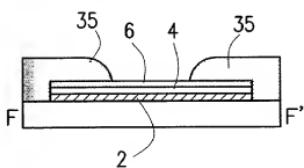


FIG. 19D

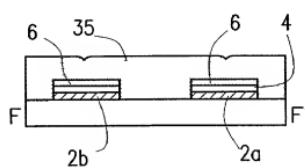


FIG.20A



FIG.20B

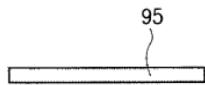


FIG.20C

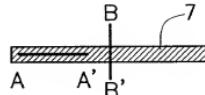
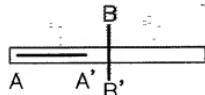
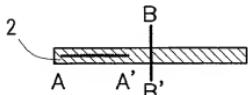


FIG.20D

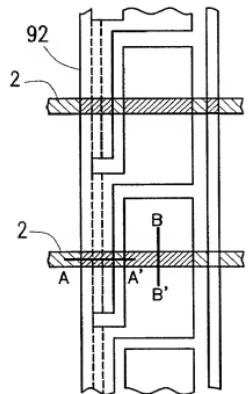


FIG.20E

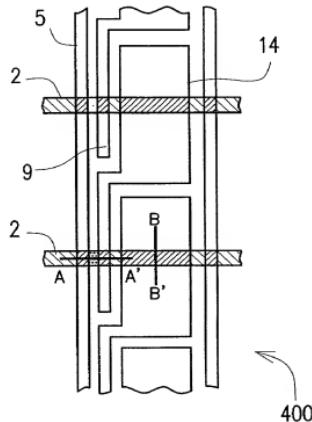


FIG. 21A



FIG. 21B

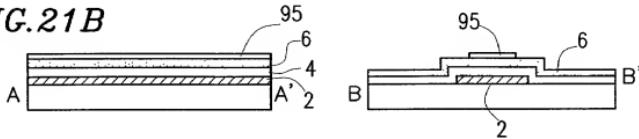


FIG. 21C

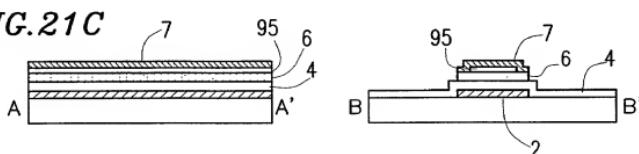


FIG. 21D

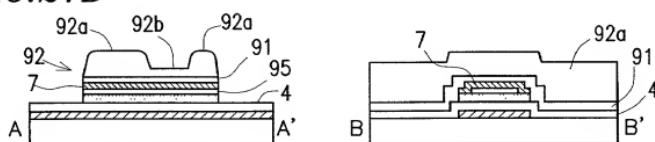


FIG. 21E

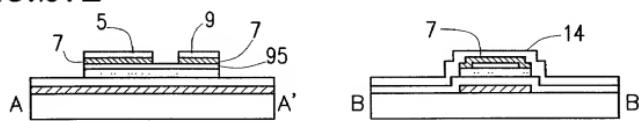


FIG. 21F

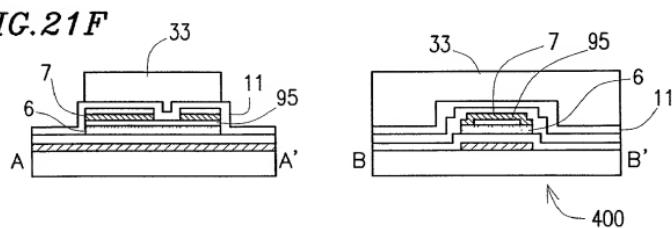


FIG. 22

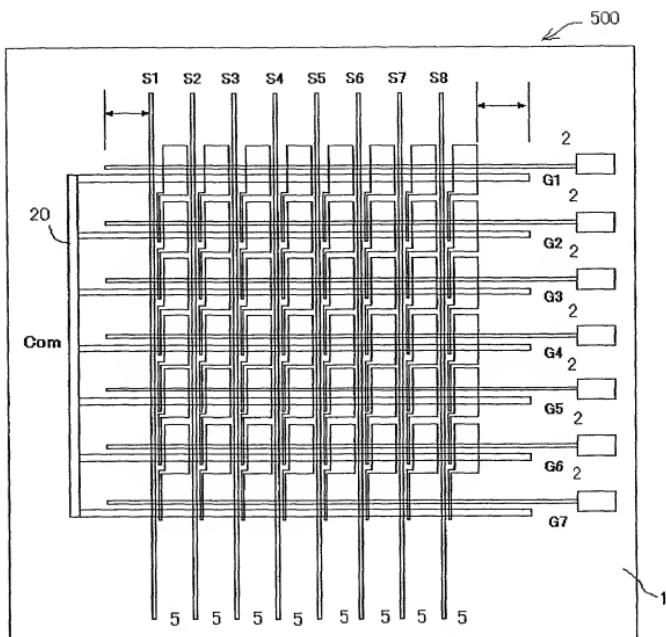


FIG.23

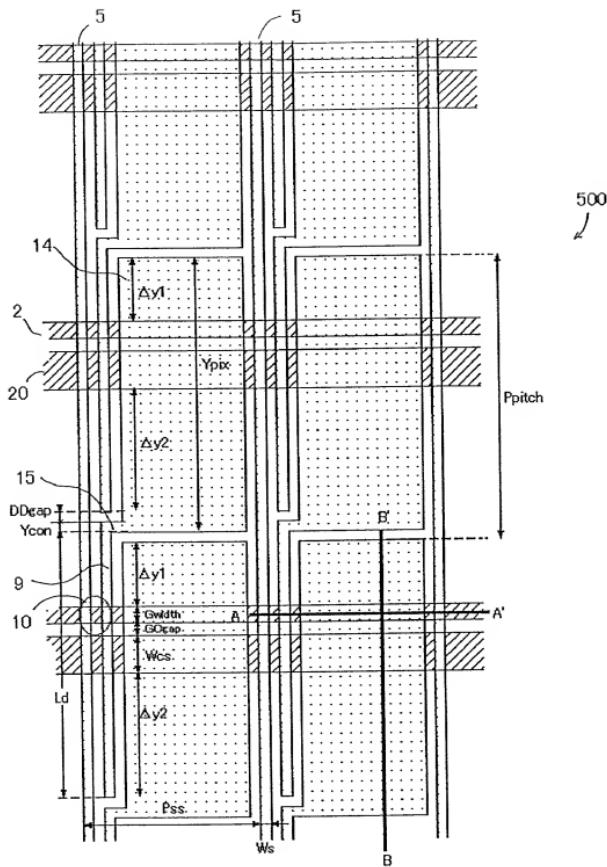


FIG. 24

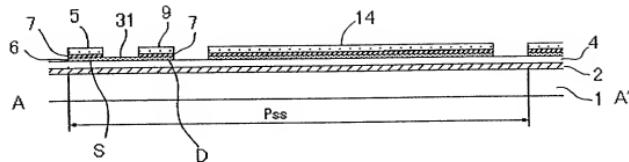
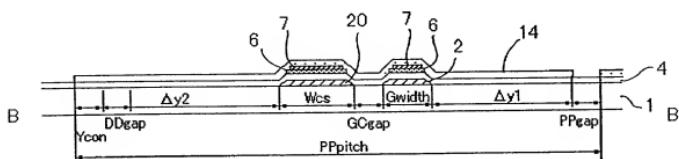


FIG. 25



$$\begin{aligned}\Delta Y &= \Delta y_1 + \Delta y_2 \\ &= Ppitch - Gwidth - PPgap - W_{cs} - GCgap - DDgap - Y_{con}\end{aligned}$$

FIG. 26

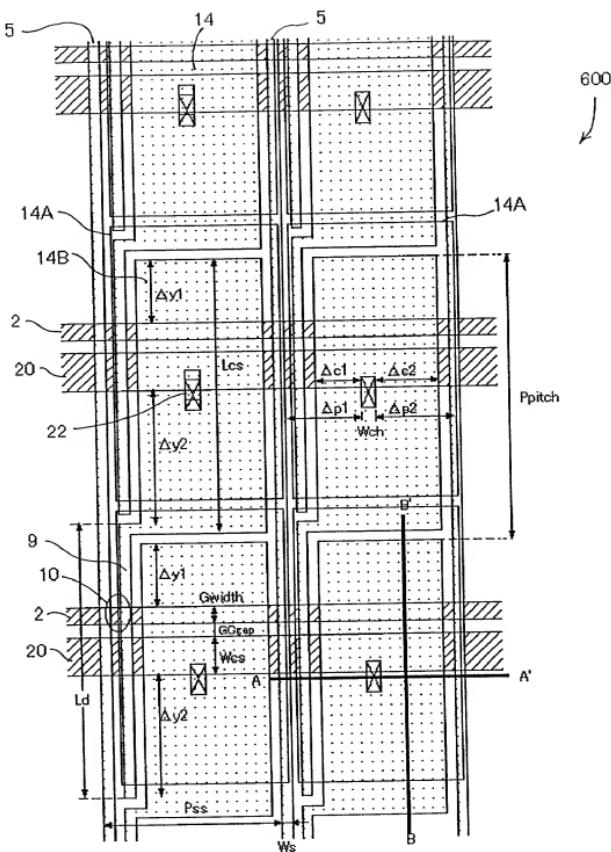
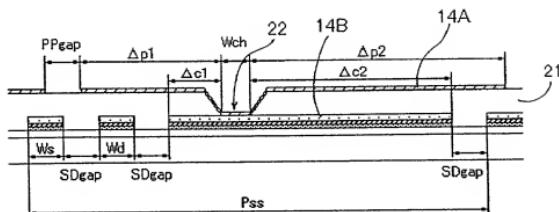


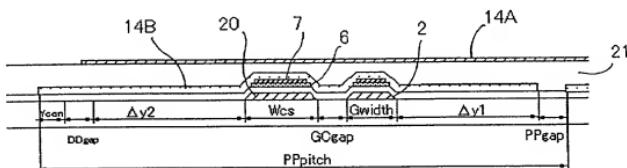
FIG. 27



$$\begin{aligned}\Delta C &= \Delta c1 + \Delta c2 \\ &= Pss - Ws - Wd - 3 \cdot SDgap - Wch\end{aligned}$$

$$\begin{aligned}\Delta P &= \Delta p1 + \Delta p2 \\ &= Pss - PPgap\end{aligned}$$

FIG. 28



$$\begin{aligned}\Delta Y &= \Delta y1 + \Delta y2 \\ &= Ppitch - Gwidth - PPgap - Wcs - GCgap - DDgap - Ycon\end{aligned}$$

FIG. 29

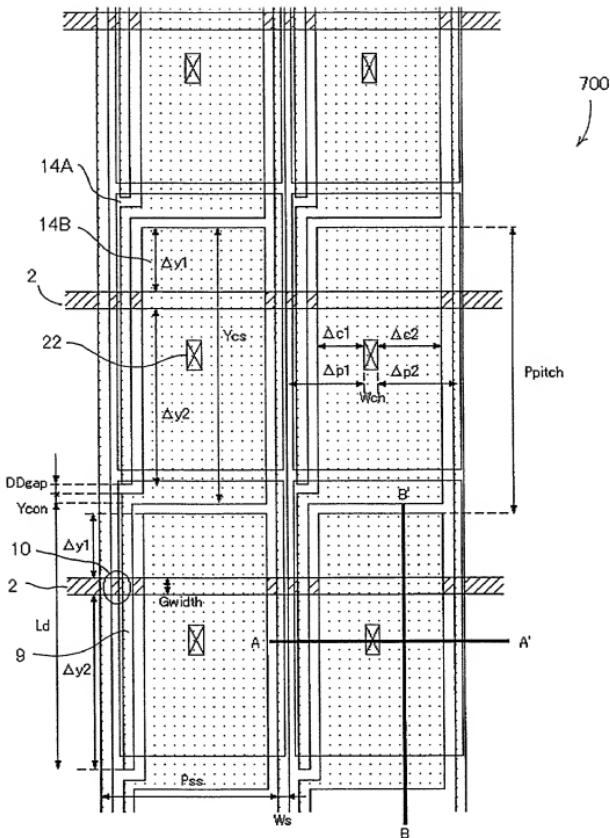
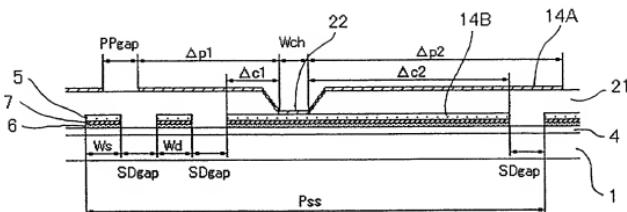


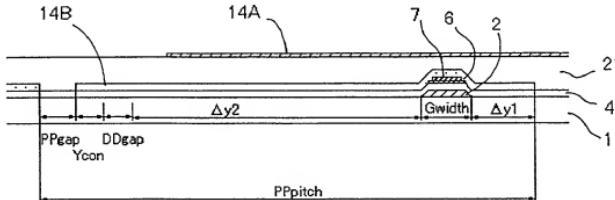
FIG. 30



$$\Delta C = \Delta c1 + \Delta c2 \\ = Pss - Ws - Wd - 3 \cdot SDgap - Wch$$

$$\Delta P = \Delta p_1 + \Delta p_2 \\ = P_{ss} - P_{P_{gap}}$$

FIG. 31



$$\Delta Y = \Delta y1 + \Delta y2 = Ppitch - Gwidth - PPgap - DGgap - Ycon$$

FIG. 32

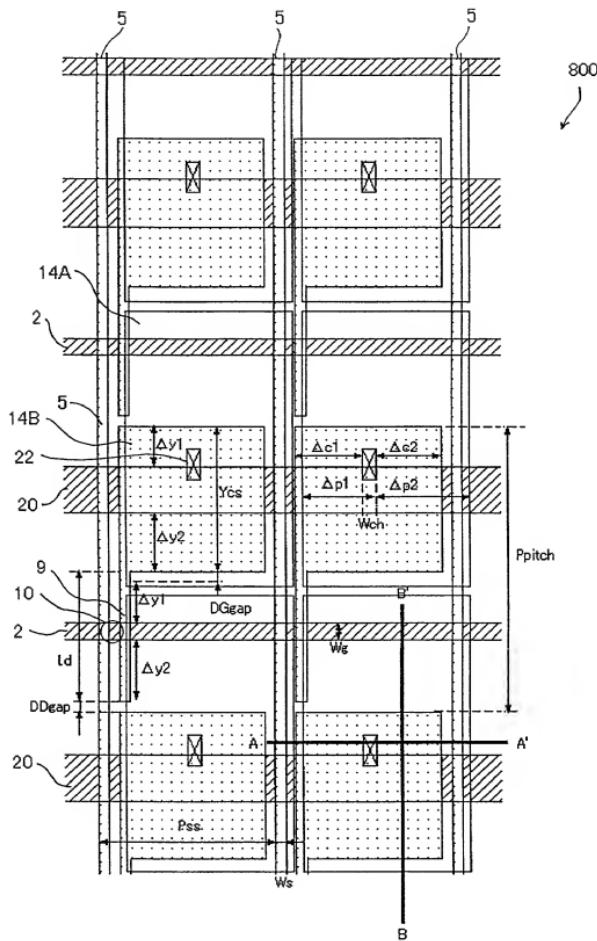
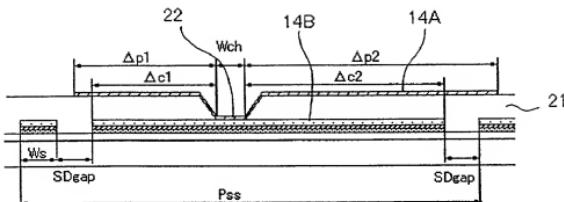


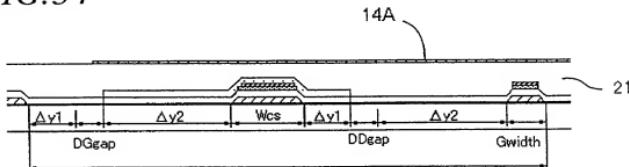
FIG.33



$$\begin{aligned}\Delta C &= \Delta c1 + \Delta c2 \\ &= P_{ss} - W_s - 2 \cdot SD_{gap} - W_{ch}\end{aligned}$$

$$\begin{aligned}\Delta P &= \Delta p1 + \Delta p2 \\ &= P_{ss} - PP_{gap}\end{aligned}$$

FIG.34



$$\begin{aligned}\Delta Y &= \Delta y1 + \Delta y2 \\ &= (P_{pitch} - Gwidth - W_{cs} - DD_{gap} - DG_{gap})/2\end{aligned}$$

FIG.35

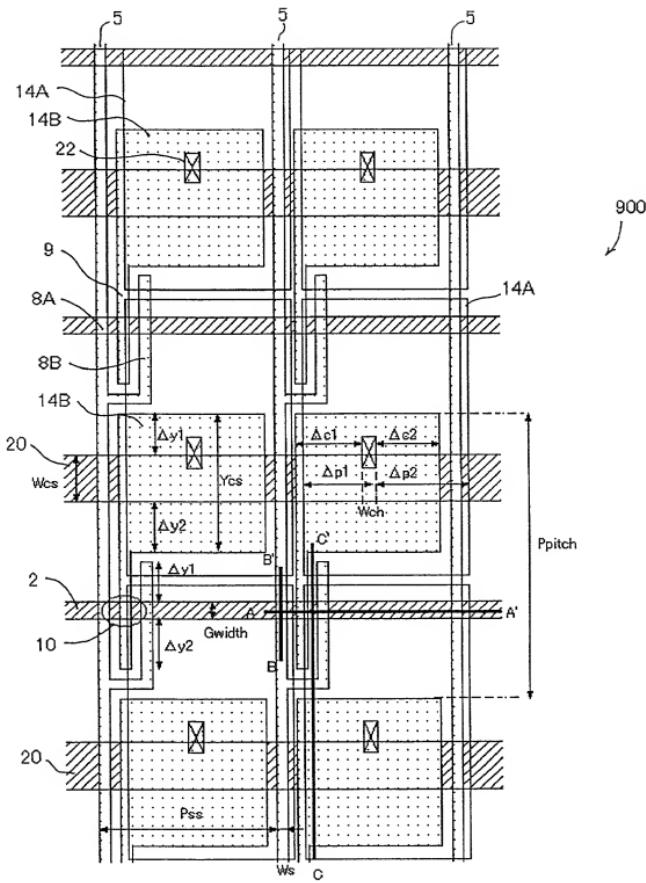


FIG.36

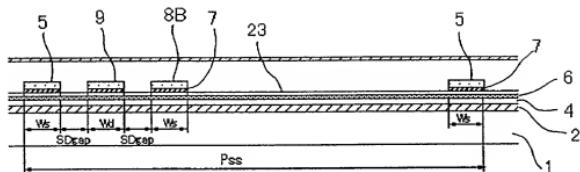


FIG.37

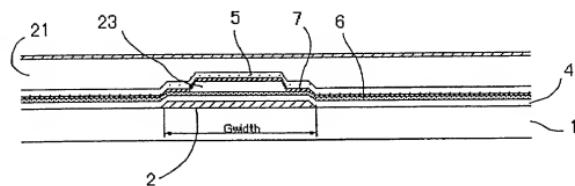
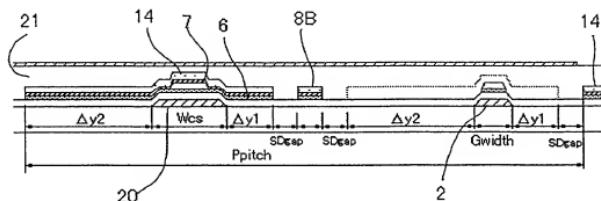


FIG.38



$$\begin{aligned}\Delta Y &= \Delta y_1 + \Delta y_2 \\ &= (Ppitch - Gwidth - W_f - W_s - 3 \cdot SDgap) / 2\end{aligned}$$

FIG. 39

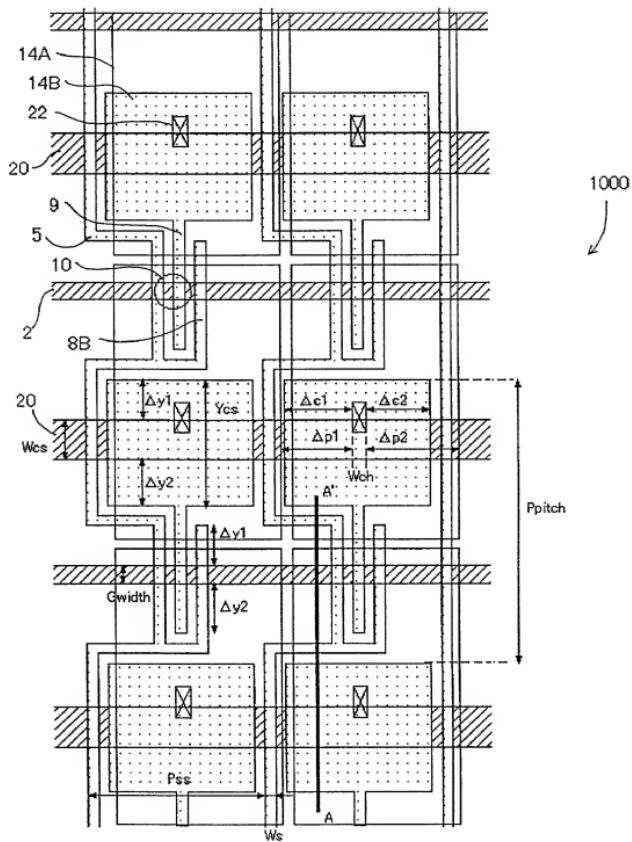
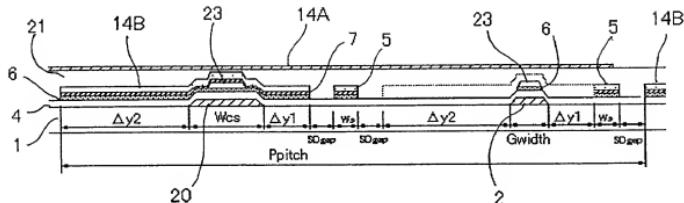


FIG. 40



$$\begin{aligned}\Delta Y &= \Delta y_1 + \Delta y_2 \\ &= (P_{pitch} - Gwidth - W_{cs} - 2 \cdot W_s - 3 \cdot SD_{gap}) / 2\end{aligned}$$

FIG. 41A

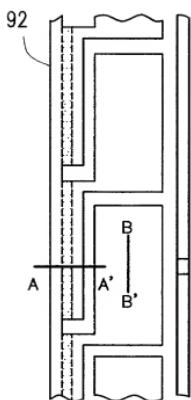


FIG. 41B

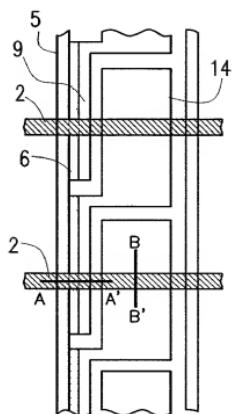


FIG. 41C

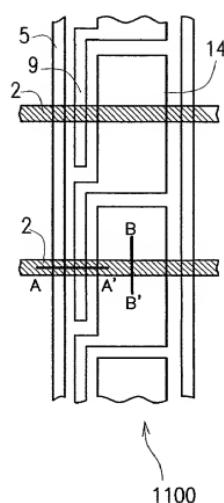


FIG. 42A

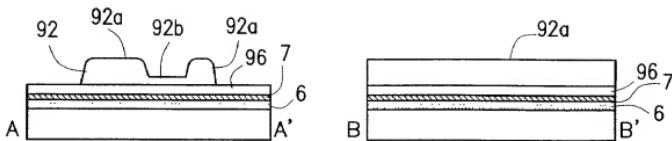


FIG. 42B

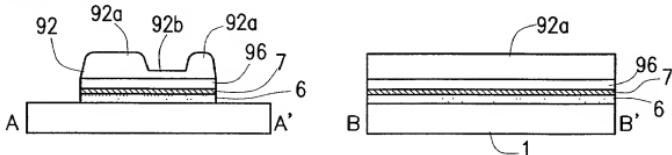


FIG. 42C



FIG. 42D

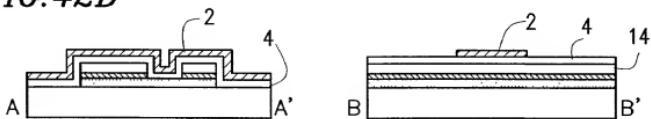


FIG. 42E

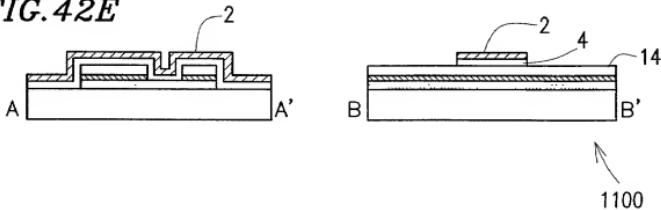
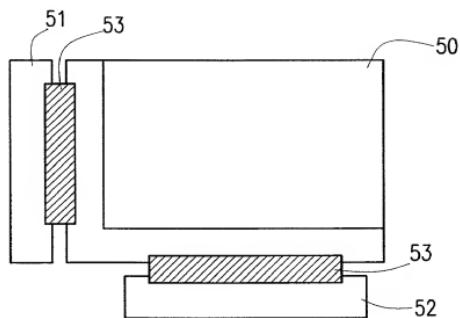


FIG. 43



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FIG. 44

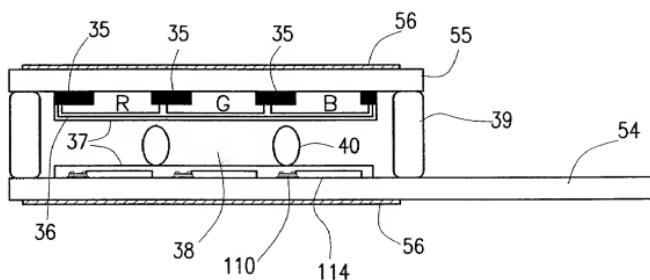


FIG. 45A

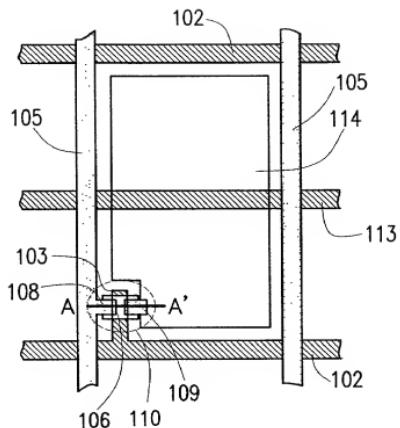


FIG. 45B

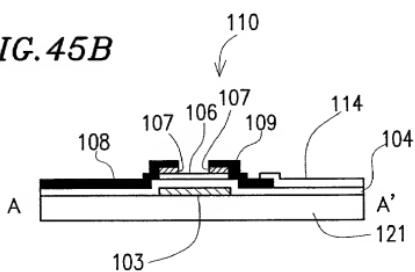


FIG. 46A

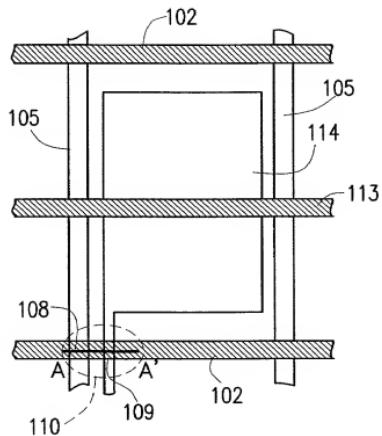


FIG. 46B

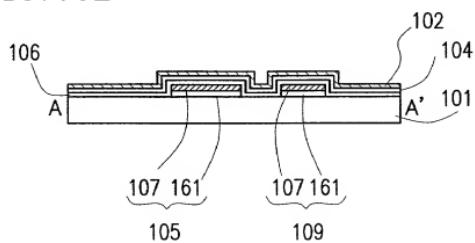


FIG. 47

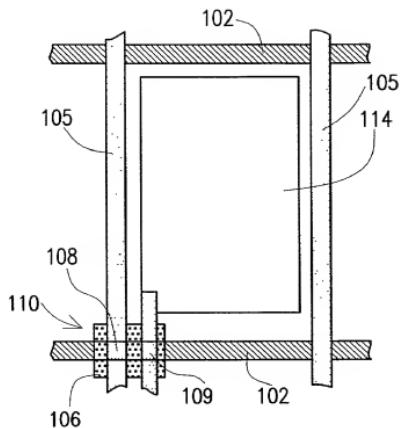


FIG. 48

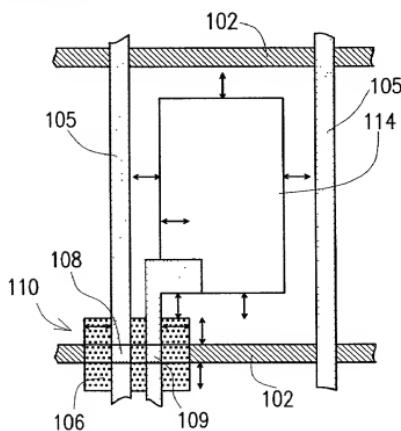


FIG. 49

